

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| S1    | 2    | "US 20070176846"                                      | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR               | ON      | 2008/02/01<br>18:15 |
| S2    | 2    | "US 20070176846"                                      | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR               | ON      | 2008/02/01<br>18:15 |
| S3    | 8    | (("3864690") or<br>("4150382") or<br>("5486837")).PN. | USPAT   | OR               | OFF     | 2008/02/01<br>18:21 |
| S4    | 870  | 343/909.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR               | ON      | 2008/05/07<br>18:50 |
| S5    | 166  | 343/909.ccls. and active                              | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR               | ON      | 2008/05/07<br>18:50 |
| S6    | 4    | 343/909.ccls. and active<br>near2 dielectric          | US-PGPUB;<br>USPAT; USOCR;<br>DERWENT                                   | OR               | ON      | 2008/05/07<br>18:50 |
| S7    | 880  | 343/909.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/07<br>18:53 |
| S8    | 91   | 343/909.ccls. and bias\$                              | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/07<br>18:53 |
| S9    | 28   | 343/909.ccls. and bias\$<br>same ground               | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/07<br>19:41 |
| S10   | 2    | "20030112186"   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/07<br>20:03 |
| S11   | 76   | 343/909.ccls. and leak\$3                             | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/08<br>14:04 |

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| S12 | 21  | 343/909.ccls. and leak\$3 and bias\$3  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 14:04 |
| S13 | 182 | ("20010035801"   "20020036586"   "20030122721"   "20030193446"   "20030222738"   "20030227351"   "20040113713"   "20040135649"   "20040227583"   "20040227667"   "20040227668"   "20040227678"   "20040263408"   "20050012667"   "3267480"   "3560978"   "3810183"   "3961333"   "4045800"   "4051477"   "4119972"   "4123759"   "4124852"   "4127586"   "4150382"   "4173759"   "4189733"   "4217587"   "4220954"   "4236158"   "4242685"   "4266203"   "4308541"   "4367475"   "4370659"   "4387377"   "4395713"   "4443802"   "4590478"   "4594595"   "4672386"   "4684953"   "4700197"   "4737795"   "4749966"   "4760402"   "4782346"   "4803494"   "4821040"   "4835541"   "4843400"   "4843403"   "4853704"   "4903033"   "4905014"   "4916457"   "4922263"   "4958165"   "4975712"   "5021795"   "5023623"   "5070340"   "5081466"   "5115217"   "5146235"   "5158611"   "5208603"   "5218374"   "5235343"   "5268696"   "5268701"   "5287116"   "5287118"   "5402134"   "5406292"   "5519408"   "5525954"   "5531018"   "5532709"   "5534877"   "5541614"   "5557291"   "5581266"   "5589845"   "5598172"   "5611940"   "5619365"   "5619366"   "5621571"   "5638946" | US-PGPUB; USPAT; USOCR                                   | OR | ON | 2008/05/08 14:04 |

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|-----|---|--|---|----|----|---------------------|
|     |   | <p>"5644319"   "5694134"  <br/>     "5721194"   "5767807"  <br/>     "5808527"   "5815818"  <br/>     "5874915"   "5892485"  <br/>     "5894288"   "5905465"  <br/>     "5923303"   "5926139"  <br/>     "5929819"   "5943016"  <br/>     "5945951"   "5949382"  <br/>     "5966096"   "5966101"  <br/>     "6005519"   "6005521"  <br/>     "6008770"   "6016125"  <br/>     "6028561"   "6028692"  <br/>     "6034644"   "6034655"  <br/>     "6037905"   "6040803"  <br/>     "6046655"   "6046659").<br/>     PN. OR ("6054659"  <br/>     "6061025"   "6075485"  <br/>     "6081235"   "6081239"  <br/>     "6097263"   "6097343"  <br/>     "6118406"   "6118410"  <br/>     "6127908"   "6150989"  <br/>     "6154176"   "6166705"  <br/>     "6175337"   "6175723"  <br/>     "6188369"   "6191724"  <br/>     "6198438"   "6198441"  <br/>     "6204819"   "6218912"  <br/>     "6218997"   "6246377"  <br/>     "6252473"   "6285325"  <br/>     "6307519"   "6317095"  <br/>     "6323826"   "6331257"  <br/>     "6337668"   "6366254"  <br/>     "6373349"   "6380895"  <br/>     "6388631"   "6392610"  <br/>     "6404390"   "6404401"  <br/>     "6407719"   "6417807"  <br/>     "6424319"   "6426722"  <br/>     "6440767"   "6469673"  <br/>     "6473362"   "6483480"  <br/>     "6496155"   "6515635"  <br/>     "6518931"   "6525695"  <br/>     "6538621"   "6552696"  <br/>     "6624720"   "6642889"  <br/>     "6657525"   "6741207"  <br/>     "6822622"   "6864848"  <br/>     "6897810"   "6897831"  <br/>     "6917343").PN.</p> |   |    |    |                     |
| S14 | 5 | ("4150382"   "6285325"  <br>"6317095"   "6404390"  <br>"6496155").PN.  | US-PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/05/08<br>14:32 |
| S15 | 0 | steer@4 and leak\$3 and<br>wave  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>14:35 |

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| S16 | 4867     | steer\$4 and leak\$3 and wave                 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 14:35 |
| S17 | 148      | steer\$4 and leak\$3 and wave and "343".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 14:35 |
| S18 | 554      | guid\$4 and leak\$3 and wave and "343".clas.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 14:42 |
| S19 | 2345     | leak\$3 near3 waveguide                       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:07 |
| S20 | 105      | leak\$3 near3 waveguide and "343".clas.       | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:07 |
| S21 | 11625571 | scan\$4 direct\$3 steer\$4                    | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:44 |
| S22 | 653982   | S21 and leak\$4                               | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:44 |
| S23 | 141618   | S21 and leak\$4 and bias\$3                   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:45 |
| S24 | 303      | S21 and leak\$4 and bias\$3 and "343".clas.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/08 15:45 |

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| S25 | 726    | leak\$3 adj waveguide   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:14 |
| S26 | 726    | leak\$3 adj waveguide   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:14 |
| S27 | 596    | (leak\$3 adj waveguide)<br>and S21  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:20 |
| S28 | 95     | (leak\$3 adj waveguide)<br>and S21 and bias\$3  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:46 |
| S29 | 925771 | S21 and bias\$3   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:51 |
| S30 | 2312   | S21 and bias\$3 and "343".<br>clas.   | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:52 |
| S31 | 85     | S21 and bias\$3 and<br>343/909.ccls.  | US_PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/05/08<br>16:52 |
| S32 | 13     | ("20040263408"  <br>"5208603"   "5278562"  <br>"5600325"   "5619365"  <br>"5619366"   "6028692"  <br>"6483480"   "6538621"  <br>"6552696"   "6806843"  <br>"6897831"   "6917343").<br>PN. | US_PGPUB;<br>USPAT; USOCR   | OR | ON | 2008/05/08<br>16:56 |

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| S33 | 38    | ("20010050654"   "2897497"   "3541559"   "4021812"   "4097868"   "4169268"   "4186400"   "4259674"   "4290071"   "4343002"   "4495506"   "4514734"   "4638324"   "4701765"   "4812855"   "4876548"   "4916453"   "4970634"   "5103241"   "5231406"   "5260968"   "5382959"   "5384575"   "5455594"   "5497169"   "5543815"   "5563614"   "5612706"   "5949387"   "6052098"   "6147572"   "6195062"   "6208316"   "6218978"   "6396451"   "6563472").PN. | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2008/05/08 18:41 |
| S36 | 3     | (("20030112186") or ("20030142036") or ("20030052834")).PN.   | US-PGPUB; USPAT  | OR | OFF | 2008/05/09 15:17 |
| S37 | 4     | (("20030112186") or ("20030142036") or ("20030052834") or ("6806843")).PN.  | US-PGPUB; USPAT  | OR | OFF | 2008/05/09 15:30 |
| S38 | 4     | (("5486837") or ("4150382")).PN.  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/09 16:55 |
| S39 | 2     | ("20010017603").PN.   | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/05/09 18:00 |
| S40 | 6     | ("3628184"   "4079404"   "4867515"   "5323024"   "5796881"   "5982334").PN.   | US-PGPUB; USPAT; USOCR                                   | OR | ON  | 2008/05/09 18:57 |
| S41 | 10072 | leak\$3 near3 (wave wave \$1guide)  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/05/09 19:03 |
| S42 | 992   | leak\$3 near3 (wave wave \$1guide) and bias\$3  | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON  | 2008/05/09 19:03 |

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| S43 | 63  | leak\$3 near3 (wave wave \$1guide) and bias\$3 and "343".clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 19:03 |
| S44 | 107 | microstrip and titanium adj dioxide                            | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 20:10 |
| S45 | 7   | microstrip and titanium adj dioxide and "343".clas.            | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/05/09 20:10 |

5/ 9/ 2008 8:57:05 PM

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